

2878



PG-1 (223400-4)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Thiess et al.	)	
Serial No.:	10/603,305	)	
Filed:	June 25, 2003	)	Group Art Unit: 2878
For:	RADIATION PROTECTION MATERIAL, ESPECIALLY FOR USE AS RADIATION PROTECTION GLOVES	)	Examiner: Unknown

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §1.56, §1.97 and §1.98, documents that may be material to the examination of this application are listed on the attached PTO-1449 form. Copies of each document are enclosed.

No inference should be drawn that the attached list represents a comprehensive investigation, or that any disclosure in the listed documents is equivalent to the subject invention.

The cited documents disclose numerous specific features. There has been no attempt to enumerate each and every feature disclosed by each document, however. The Examiner is requested to review these documents and to determine the extent of the materiality of the document disclosures, if any, with respect to the present invention.

The discussion of any art and the citation of any document herein is not to be construed as an admission that the art or document disclosure is necessarily within the invention field of endeavor, that the art or document disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that the art or document disclosure is otherwise necessarily prior art as defined by the patent law with respect to the instant invention and application.


The right to later set forth how the claimed invention is distinguished over the disclosure of any document or other art, including the disclosures of the art and documents

recited herein, and those that may be cited by the Examiner in rejecting a claim in the instant patent application is reserved.

The recitation herein of the art and documents is not to be construed as an assertion that more pertinent art could not possibly be in existence.

Respectfully submitted,

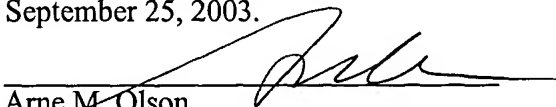
Date: September 25, 2003

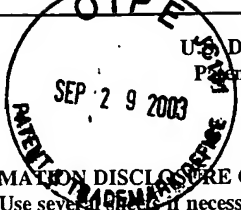
By   
Arne M. Olson (Reg. No. 30,203)

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**CERTIFICATE OF MAILING**

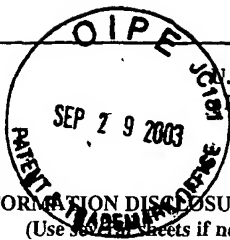
I hereby certify that this paper and its attachments are being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450 ALEXANDRIA, VA 22313-1450 on September 25, 2003.

  
Arne M. Olson

(Rev. 5/92) Comparable to Form PTO-1449  <div style="text-align: center;">   <b>INFORMATION DISCLOSURE CITATION</b>          (Use several copies if necessary)       </div>		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. RPG-1		Serial No. 10/603,305	
		Applicants    Thiess et al.					
		Filing Date    June 25, 2003		Group 2878			
<b>U.S. PATENT DOCUMENTS</b>							
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	6,372,856	04/16/02	OZAWA et al.	525	329.3		
	6,347,409	02/19/02	NILE et al.	2	168		
	6,320,938	11/20/01	HOPPER	378	156		
	6,310,355	10/30/01	CADWALADER	250	515.1		
	6,232,383	05/15/01	JOSEPH	524	400		
	6,153,666	11/28/00	LAGACE	523	136		
	5,908,884	06/01/99	KAWAMURA et al.	523	515.1		
	5,550,383	08/27/96	HASKELL	250	519.1		
	5,548,125	08/20/96	SANDBANK	250	519.1		
	5,525,408	06/11/96	WEIR et al.	428	220		
	5,310,517	05/10/94	DAMS et al.	264	255		
	5,256,334	10/26/93	SMID et al.	252	478		
	5,245,195	09/14/93	SHAH et al.	250	515.1		
	5,240,768	08/31/93	WRIGHT et al.	428	323		
	5,215,701	06/01/93	GOULD et al.	264	331.13		
	5,190,990	03/02/93	EICHMILLER	523	137		
	5,133,090	07/28/92	MODAK et al.	2	168		
	5,130,342	07/14/92	MCALLISTER et al.	521	61		
	5,115,140	05/19/92	RODRIGUEZ	250	516.1		
	5,099,135	03/24/92	GEMMILL	250	516.1		
	5,059,807	10/22/91	KERSTEN et al.	250	519.1		
	5,045,708	09/03/91	COOPER	250	519.1		
	5,024,232	06/18/91	SMID et al.	128	654		
	5,020,162	06/04/91	KERSTEN et al.	2	164		
	5,015,863	05/14/91	TAKESHIMA et al.	250	515.1		
	5,001,354	03/19/91	GOULD et al.	250	516.1		
	4,965,408	10/23/90	CHAPMAN et al.	174	35		
	4,957,943	09/18/90	MCALLISTER et al.	521	64		
Examiner				Date Considered			
*Examiner:				Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

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INFORMATION DISCLOSURE CITATION  
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U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No. RPG-1

Serial No. 10/603,305

Applicants Thiess et al.

Filing Date June 25, 2003

Group 2878

### U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	4,947,487	08/14/90	SAFFER et al.	2	167	
	4,938,233	07/03/90	ORRISON, JR.	128	849	
	4,935,019	06/19/90	PAPP, Jr.	604	362	
	4,882,392	11/21/89	SMID et al.	525	328.6	
	4,837,448	06/06/89	SAINTE LUCE BANCHELIN et al.	250	519.1	
	4,670,658	06/02/87	MEYERS	250	519.1	
	4,581,390	04/08/86	FLYNN	523	112	
	4,548,844	10/22/85	PODELL et al.	428	35	
	4,283,447	08/11/81	FLYNN	428	36	
	4,223,229	09/16/80	PERSICO et al.	250	515	
	4,220,867	09/02/80	BLOCH, JR.	250	516	
	4,103,176	05/20/80	HIRAI et al.	260	37	
	4,103,176	07/25/78	COYLE	250	516	
	4,024,405	05/17/77	SZOT	250	516	
	4,024,318	05/17/77	FORSTER et al.	428	519	
	3,942,023	03/02/76	FLAUGNATTI	250	515	
	3,903,332	09/02/75	KELLY et al.	427	207	
	3,901,829	08/26/75	SLINGLUFF et al.	252	478	
	3,895,143	07/15/75	TARLOW	428	40	
	3,883,749	05/13/75	WHITTAKER et al.	250	516	
	3,622,432	11/23/71	MCLUER et al.	161	87	
	3,569,713	03/09/71	VIA, JR.	250	108	
	3,514,607	05/26/70	WEBSTER	250	108	
	3,310,053	03/21/67	GREENWOOD	128	577	
	3,286,094	11/15/66	PRETTO	250	108	
	3,185,751	05/25/65	SUTTON	264	301	
	3,075,925	02/29/63	DUNEGAN	252	478	

Examiner

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\*Examiner:

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	Applicants Thiess et al.	
	Filing Date June 25, 2003	Group 2878

## U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	3,052,799	09/04/62	HOLLANDS	250	108	
	3,045,121	07/17/62	LEGUILLON	250	108	
	3,025,403	03/13/62	BELKNAP et al.	250	108	
	2,971,095	02/07/61	DRUMMOND	250	108	
	2,328,105	08/31/43	STROBINO	250	108	
	1,580,857	04/13/26	RICHARDS			

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	703,153	01/27/54	UNITED KINGDOM				X
	808,726	02/11/59	UNITED KINGDOM				X
	WO 93/02457	02/04/93	PCT				X
	58-163618	09/28/83	JAPAN			X Abstract	
	1.119.926	06/27/56	FRANCE			X	
	RU2111558	05/20/98	RUSSIA			X Abstract	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Doctor's Guide, Press Release: "Innovative Device Helps Reduce Radiation Exposure", November 27, 1997.
	Polymer Latexes Preparation, Characterization, and Applications, Eric S. Daniels et al., Eds., Washington, D.C. (1992).
	"New Polymer-Metal Composites Provide Radiation Shielding, Lead Replacement for Medical Devices", Larry Stover et al., (7 pages), 1999.
	Bismuth - Resource-World.net, "Bismuth", History, Background, No Date.
	Medical Journal of Islamic Academy of Sciences, Volume 10, No. 3, "A Study of The Shielding Properties of Poly Ethylene Glycol-Lead Oxide Composite", Rizwan Hussain, Zia-Ul-Haq, Din Mohammad, (4 pages) 1997.
	Proceedings of the 1999 Particle Accelerator Conference, New York, 1999, "Application of the Monte Carlo Method to Accelerator Shielding Analysis, A New Estimation of the Tenth-Value Thickness For X-Rays In Medical Linear Accelerators," J. Rodenas et al. (pages 2534-2536).
	Medical Plastics and Biomaterials Magazine: "Specialty Compounds For Medical Applications: An Introduction", Larry Acquarulo (10 pages) September 1996.

Examiner

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